

20051201.ba v03_n867.bam.20051201

>From ???@??? Thu Dec 1 00:30:51 2005 -0600
Date: Thu, 1 Dec 2005 00:00:15 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3867
Message-Id: <20051201005957.973E24089A@srvr1.theporch.com>

BOATANCHORS Digest 3867

Topics covered in this issue include:

- 1) "been there over the years"
by Roy Morgan <roy.morgan@nist.gov>
- 2) Re: Johnson Valiant RF Transmitting Cap
by Roy Morgan <roy.morgan@nist.gov>
- 3) Re: Johnson Valiant RF Transmitting Cap
by stuck in 50s <polepeeg@ba-watch.org>
- 4) Re: Collins 75A2
by "Al Parker" <anchor@ec.rr.com>
- 5) Re: Collins 75A2 (fwd)
by John Poulton <jp@cs.unc.edu>
- 6) Re: Collins 75A2
by Larry WA9VRH <wa9vrh@mtco.com>
- 7) Re: TNT Transmitter Efficiency?
by "RJ Mattson" <rjmattson@hvi.net>
- 8) Re: BOATANCHORS digest 3866
by Phil Barnes-Roberts WA6DZS <pbarnrob@acm.org>
- 9) Update on Ed Marriner, W6XM (SK) + Guestbook available
by John Dilks K2TQN <oldradio@worldnet.att.net>
- 10) Re: Collins 75A2 (fwd)
by wb3fau@att.net
- 11) AF Manual 100-6, Radio Transmitters
by "Herbert M. Rosenthal" <herbrose@comcast.net>
- 12) Re: "been there over the years"
by wb3fau@att.net
- 13) Rovero's Boatanchor web page URL change
by Josh Rovero <provero@myeastern.com>
- 14) Re: Rovero's Boatanchor web page URL change
by "Al Parker" <anchor@ec.rr.com>

Message-Id: <6.0.0.22.2.20051128145932.0422e2a8@mailserver.nist.gov>
Date: Mon, 28 Nov 2005 15:02:50 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Roy Morgan <roy.morgan@nist.gov>
Subject: "been there over the years"

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:15 PM 11/28/2005, wb3fau@att.net wrote:

>Anchorites, just a brief line to thank you all this day to each of you
>who have been there over the years giving good advise and assistance.

Russ,

I joined Boatanchors when it was hosted on some mail reflector at MIT -
can't remember how long ago. But.. I seem to remember being member number
95 or some such..

It's been a good ride...and many thanks to all who have both done the work
to keep it running, and have contributed.

Roy

- Roy Morgan, K1LKY since 1959 - Keep 'em Glowing!
7130 Panorama Drive, Derwood MD 20855
Home: 301-330-8828 Cell 301-928-7794
Work: Voice: 301-975-3254, Fax: 301-948-6213
roy.morgan@nist.gov --

Message-Id: <6.0.0.22.2.20051128143919.0422e2a8@mailserver.nist.gov>

Date: Mon, 28 Nov 2005 14:46:32 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Roy Morgan <roy.morgan@nist.gov>

Subject: Re: Johnson Valiant RF Transmitting Cap

Cc: "Freeberg, Scott \ (STP\)" <Scott.Freeberg@guidant.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:39 AM 11/24/2005, you wrote:

>I've got the Valiant on the bench for repair. It appears that I blew up
>C42, a 3 element RF transmitting cap chassis mounted at the end of the
>Coupling wafer. The values are 600 pf, 900 pf, 1200 pf.

Scott,

You are not alone. these are the loading caps. They were made of a sandwich
of mica sheets and metal plates, then dipped in wax.

>What are you guys using for replacement RF caps?

I'm not using anything, because so far my Valiant loading caps are intact, but I am glad to be reminded that they may go pow any time now.

> Are you using the 'doorknob' style RF caps? I'm browsing the internet
> for sources. Do you have any recommendations or advice?

The trouble is that these caps can experience considerable RF current, depending on the load on the PI Network. I would try doorknobs and see if they hold up. You may be able to find RF Current ratings on some caps, and you may wind up with caps that are a bunch larger than what's in there now. If so, you'll need to find a place for them.

An email to the folks at RF Parts may bring some advice based on experience. <http://www.rfparts.com/> It might be useful to analyze the PI Network and figure current levels for very bad loads.

(I will send separately to Scott my collected notes on the Valiant - there may well be some info in there related to this problem.)

Let us know how you make out. We may have to avoid loading up downspouts and steam radiator pipes in the future.

Roy

- Roy Morgan, K1LKY since 1959 - Keep 'em Glowing!
7130 Panorama Drive, Derwood MD 20855
Home: 301-330-8828 Cell 301-928-7794
Work: Voice: 301-975-3254, Fax: 301-948-6213
roy.morgan@nist.gov --

Date: Mon, 28 Nov 2005 16:05:46 -0500 (EST)
From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200511282105.jASL5kHg029270@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Scott.Freeberg@guidant.com
Subject: Re: Johnson Valiant RF Transmitting Cap

> We may have to avoid loading up steam radiator pipes in the future.

If ever there was a problem that'd take care of itself!

Message-ID: <043f01c5f45a\$2a139e90\$3201a8c0@w8ut>
From: "Al Parker" <anchor@ec.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Collins 75A2
Date: Mon, 28 Nov 2005 15:27:28 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Russ,

I think it's not on BAMA for some good reasons.

I'd suggest getting a good copy of the original from one of the manual purveyors. I've done business with the following 2, have never met Pete but we chat occasionally on the air. Have met Al, know him from past Shelby space next to him. They're both real nice guys, and either can provide manuals in various qualities. I got a 75A2 manual from Al about 2 yrs ago for a local friend, it rivaled the original in quality & look, and it wasn't his 'high priced' spread. Pete does similarly great work.

Alvin Bernard, N4IQ
ni4q@juno.com

Pete Markavage, WA2CWA, "The Manual Man"
<http://www.manualman.com/>
pmarkavage@juno.com

as we say on The Hammarlund Historian website, " Both of these companies can supply copies that rival the appearance of the original. Contact them for details and prices."

73,
Al, W8UT
New Bern, NC
BoatAnchors appreciated here
<http://www.thecompendium.net/radio/>
<http://www.hammarlund.info>

----- Original Message -----

From: <wb3fau@att.net>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Monday, November 28, 2005 2:06 PM
Subject: Collins 75A2

> Anchors, I need schematic and manual/ alignment instructions for 75A2.
I have tried BAMA,
> it is not available. If you are willing to copy, or let me do it, i
will gladly pay all
> expenses. Receiver is my own and a recent acquisition. Thanks Russ
wb3fau.

>
>

Date: Mon, 28 Nov 2005 17:27:09 -0500 (EST)
From: John Poulton <jp@cs.unc.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Collins 75A2 (fwd)
Message-ID: <Pine.LNX.4.58.0511281724550.5315@swan.cs.unc.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Al's absolutely right. Both Al Bernard and Pete Markavage provide a great service, and very nice copies.

However, if you're in a hurry, I have a bunch of manuals, including the one for the 75A-2, on my website:

<http://www.jptronics.org/radios/Collins/index.html>

73, John K4OZY

>...
>Alvin Bernard, N4IQ
>ni4q@juno.com
>
>Pete Markavage, WA2CWA, "The Manual Man"
><http://www.manualman.com/>
>pmarkavage@juno.com
>
> as we say on The Hammarlund Historian website, " Both of these
>companies can supply copies that rival the appearance of the original.
>Contact them for details and prices."

> 73,
>Al, W8UT

Date: Mon, 28 Nov 2005 16:29:14 -0600
Subject: Re: Collins 75A2
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v543)
Cc: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
From: Larry WA9VRH <wa9vrh@mtco.com>
Message-Id: <67C462C5-605E-11DA-B7AE-00050243F48B@mtco.com>
Content-Transfer-Encoding: 7bit

Hi Russ,

The 75A-2 manuals will soon be available on the Collins Collectors Association website www.collinsradio.org (there are two different versions) Having said that and knowing that you would probably like to get into the 75A-2 sooner than later I would be happy to burn them to a CD and mail to you. Is your address good on QRZ? Please let me know and I will get the CD in the mail to you.

73 Larry WA9VRH
Collins Collectors Association Archive Manager

On Monday, November 28, 2005, at 01:06 PM, wb3fau@att.net wrote:

> Anchors, I need schematic and manual/ alignment instructions for 75A2.
> I have tried BAMA,
> it is not available. If you are willing to copy, or let me do it, i
> will gladly pay all
> expenses. Receiver is my own and a recent acquisition. Thanks
> Russ wb3fau.
>
>

Message-ID: <001001c5f47e\$44e7b660\$7cb10642@Laptop>
From: "RJ Mattson" <rjmattson@hvi.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: TNT Transmitter Efficiency?
Date: Mon, 28 Nov 2005 19:45:59 -0500
MIME-Version: 1.0
Content-Type: text/plain;
format=flowed;
charset="iso-8859-1";
reply-type=response
Content-Transfer-Encoding: 7bit

10% That's all I get out with my 10 Hartley:
Picture: <http://www.hvinet.com/rjmattson/hartley1bob...w2ami>

----- Original Message -----

From: "Niel Wiegand" <nielwiegand@aggienetwork.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
I was surprised to find only about one watt
> out for 10 watts input. Switching over to untuned link coupling into a
> pi-network didn't help either.

> Any similar experience with push-pull oscillators? Is 10% about all I
> should expect?
> 73,
> Niel

Message-ID: <438BCF5C.4050009@acm.org>
Date: Mon, 28 Nov 2005 19:47:40 -0800
From: Phil Barnes-Roberts WA6DZS <pbarnrob@acm.org>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BOATANCHORS digest 3866
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Old Tube Radios wrote:

> BOATANCHORS Digest 3866

{snip}

>> -----

>>

>> Subject:

>> KWM-2 PTT Relay

>> From: "Gary Franklin" <franklin6209@chartermi.net>

>> Date: Mon, 28 Nov 2005 09:17:38 -0500

>> To: Old Tube Radios <boatanchors@theporch.com>

>>

>> To: Old Tube Radios <boatanchors@theporch.com>

>>

>>

>> I know this has been asked 100 times so I know many of you have a good

>> answer for this! My KWM-2 PTT relay hangs up when I release the mic

>> ptt. What is the likely culprit?

>>

>> Thanks in advance!

>>

>> Gary K8BKB

>> -----

{snip}

What we used to do in Navy-Marine-Corps MARS (N0EFC, N0EFD) with 32S-3's
& KWM-2A's is -

1. Power off. Unplug the 11-pin 'octal' from the power supply. Your HV
-and primary AC- is LETHAL!

2. Remove the lid on the final cage.

3. Use a grounded braid/alligator clip to touch, then clip onto the
plate lead (either or both final should do.) Your HV is LETHAL!

4. Pull a 2-3" piece of yellow teletype tape (contains a hint of oil to keep TDs and punches happy) through the contacts of the relay. This burnishes them just a little, from the abrasion of the paper, to remove rough spots that hang, and can eventually weld. Less so than a 'burnishing tool', which looks like a very-fine fingernail file. Use light finger pressure on the actuator for the NO contacts. Notice any burned/rough areas, for #6 below.

5. Remove the clip, put the screws back on the final cage. Carefully (watching the keyway on the plug) re-plug the P/S to the rig. Your HV -and primary AC- is LETHAL! Ask me sometime about not fixing the key on the 11-pin 'octal' plug at N0EFC in the middle of phone-patches (AC on the -150V bias cap - BANG!)

6. Search for a replacement relay, for when this trick no longer works...

--

vy 73, WA6DZS Phil Barnes-Roberts <mailto:wa6dzs at arrl dot net >

(Kitbuilder, Designer, Cybersmith) Voice: 626-791-0851h

There are No Passengers on SpaceShip Earth;

we are All Crew, and need to start acting like it.

Message-Id: <6.2.3.4.0.20051129052255.04043150@ipostoffice.worldnet.att.net>

Date: Tue, 29 Nov 2005 05:26:07 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: John Dilks K2TQN <oldradio@worldnet.att.net>

Subject: Update on Ed Marriner, W6XM (SK) + Guestbook available

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Good morning,

I learned yesterday the family added a new Obit for Ed. He was quite a guy and it's good reading.

<http://www.legacy.com/sanluisobispo/LegacySubPage2.asp?Page=LifeStory&PersonId=15808582>

Edmund Hayes "Ed" Marriner passed away November 20, 2005, in San Luis Obispo, at the age of 90.

Born in Lincoln, Neb., on Aug. 15, 1915, Ed moved to Laguna Beach, Calif. in 1924. Here, in 1933, he was co-finder of the 17,000 year old Laguna Beach Woman skull, one of the oldest skulls ever found in the USA. He lived in La Jolla from 1946 until 1998. He retired as Electronics Engineer with the U.S. Naval Electronics laboratory

(NELC) after 34 years of civil service, including jobs with the F.B.I, Civil Aeronautics Administration, and the Scripps Oceanography Research unit of the University of California's division of War Research Department. He was an amateur radio pioneer, and was elected to the CQ Magazine Hall of Fame in 2005 in recognition of hundreds of articles he wrote about ham radio construction.

About eight years ago Ed and his wife, Wilda Manning Marriner, moved to San Luis Obispo. They celebrated their 65th wedding anniversary on July 6, 2005. Ed is survived by his wife, Wilda, in San Luis Obispo, his son, Harry, living in Bogota, Colombia, South America; his daughter, Carla Marriner Bowlin, and husband, Douglas, living in Atascadero. There are two grandchildren living in the San Luis Obispo area and three grandchildren and one great-grandchild living in Bogota.

Published in the San Luis Obispo Tribune on 11/27/2005.

A Guestbook is now available:

<http://www.legacy.com/sanluisobispo/Guestbook.asp?Page=Guestbook&PersonID=15808582>

Info on his son, a ham:

From: Lynn Fisk & Georgia Keysor <k5lyn@earthlink.net>

To: John Dilks K2TQN <oldradio@worldnet.att.net>

Subject: Re: Death of Ed Marriner, W6BLZ (W6XM)

Thank you for the followup note John. I am on with Ed's son Harry, HK3ZOR on 14.347 most every morning, about 6:30 am central time--the "Spider Web Net." Harry has a dairy farm not far from Bogota. He and I and others on the Spider Web Net took a DX pedition down the Amazon in the year 2000.

73, K5LYN.

From: wb3fau@att.net

To: Old Tube Radios <boatanchors@theporch.com>

Cc: John Poulton <jp@cs.unc.edu>

Subject: Re: Collins 75A2 (fwd)

Date: Tue, 29 Nov 2005 15:04:48 +0000

Message-Id:

<112920051504.17532.438C6E0F000787540000447C21587667209A0E00CC0D99@att.net>

John, I downloaded the 75A2 manual from your website, it came out great-perfectly readable. Thanks for making it available [for free]. I love BAs, but technology often saves the day. Now, on to fixing my new[old] receiver. I may be back with questions about that. 73s Russ.

Message-ID: <438C7A7B.4030603@comcast.net>
Date: Tue, 29 Nov 2005 08:57:47 -0700
From: "Herbert M. Rosenthal" <herbrose@comcast.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: AF Manual 100-6, Radio Transmitters
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I've just purged my ham/computer room and will offer up a good copy of this classic "Radio Transmitters" from 1957-this is a 1961 edition. Paperback 8 x 10.5 and 173 pages, again in very good condition for a 40+ year old manual. Tight binding. Some stamping and crossout on the cover.

If you didn't know squat about a radio transmitter and wanted to learn quickly, this would be the book to read. Of course, lots have happened since it was originally written.

I believe the 1950 period was the era of Gen Curt LeMay (with Art Collins or Bill Halligan??) flying around trying to convince DOD that SSB was the way to go... think he had Arthur Godfrey along on some flights.

With shiny silver wings and gold bars, I was a Norden bombsight instructor in B25s at Mather AFB in Sacramento then, and we had Collins Autotune transmitters and BC 348s and I bootlegged 20cw more than once, signing my call (then W2PIV) A/M. On Gooneys, too, with early airborne radar-same radio setup, but with a great trailing wire antenna.

But I digress; I'll take requests and draw a name on Sunday next, and notify the winner.

Six bucks, Priority Mail sounds reasonable to me.

Herb W5AN
Albuquerque

PS Not a transistor mentioned in the book!

From: wb3fau@att.net
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Roy Morgan <roy.morgan@nist.gov>
Subject: Re: "been there over the years"
Date: Wed, 30 Nov 2005 18:59:58 +0000
Message-Id:
<113020051859.844.438DF6AB000B78C200000034C21603762239A0E00CC0D99@att.net>

thanks again Roy!

Message-ID: <438E4B8D.1090703@myeastern.com>
Date: Wed, 30 Nov 2005 20:02:05 -0500
From: Josh Rovero <provero@myeastern.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Rovero's Boatanchor web page URL change
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

From:
<http://www.roveroresearch.com/rovero.html>

To:
<http://homepage.myeastern.com/~provero/rovero.html>

Please change any bookmarks/links you may have. Sorry
for any inconvenience.

Thanks,

Josh
KK1D

Message-ID: <01c901c5f61c\$fc73eca0\$3201a8c0@w8ut>
From: "Al Parker" <anchor@ec.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Rovero's Boatanchor web page URL change
Date: Wed, 30 Nov 2005 21:14:37 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks Josh, I wondered where you went. Too much good stuff there to be
lost.

73,

Al, W8UT

New Bern, NC

BoatAnchors appreciated here

<http://www.thecompendium.net/radio/>

<http://www.hammarlund.info>

----- Original Message -----

From: "Josh Rovero" <provero@myeastern.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Wednesday, November 30, 2005 8:02 PM
Subject: Rovero's Boatanchor web page URL change

> From:
> <http://www.roveroresearch.com/rovero.html>
>
> To:
> <http://homepage.myeastern.com/~provero/rovero.html>
>
> Please change any bookmarks/links you may have. Sorry
> for any inconvenience.
>
> Thanks,
>
> Josh
> KK1D
>
>

End of BOATANCHORS Digest 3867
